

### 3-1 Integers and Absolute Value

October 21

The set of integers

$\{ \dots, -2, -1, 0, 1, 2, \dots \}$   
(negative whole) whole numbers and their opposites

Tree is 25 ft above ground

Roots of the tree are 38 ft below ground

Positive

- above
- deposit
- up
- more
- increase
- C.E. (time)
- gain

Negative

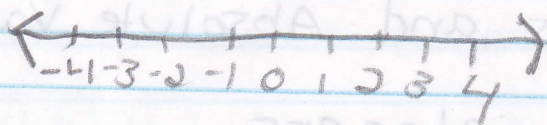
- below
- withdrawal
- down
- less
- decrease
- B.C.E.
- loss

Absolute Value

symbol - number goes here

Absolute value means the distance from zero.





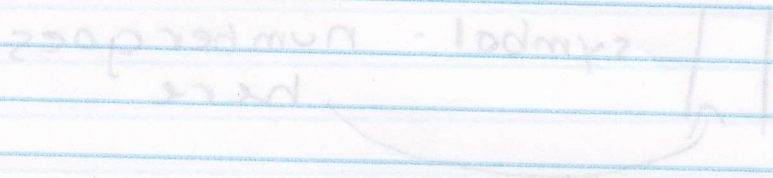
$|-4|$  read as: "The absolute value of negative 4"

$$|-4| = 4$$

$$|4| = 4$$

Distance is always positive

Absolute value is always positive!



Absolute value means the distance from zero